

WHAT IS CLAIMED IS:

1. An image scanning and printing device comprising:
means for printing an image onto each of multiple sheets of recording papers in one printing process by a multi-up printing process; and
means for controlling to select and execute the multi-up printing process when a size of the recording paper, which is obtained based on a size of an original document and an output magnification, is less than half of a maximum recording paper size and a number of sheets to be printed, which is obtained based on a number of original documents and a number of sets of sheets to be printed, is two sheets or more, and to select and execute a one-up printing process otherwise.

2. An image scanning and printing device comprising:
means for printing an image onto each of multiple sheets of recording papers in one printing process by a multi-up printing process; and
means for controlling to select and execute the multi-up printing process when a size of a recording paper, which is obtained based on a size of an original document and an output magnification, is less than half of a maximum recording paper size and a next page of the original document detected at a stage a first page of the original document is scanned, and a number of sets of sheets to be printed is two sets or more, and to select and execute a one-up printing process otherwise.

3. The image scanning and printing device according to claim 1, wherein in case image data of a scanned original document is converted into n-types of color data for a first color data to an n-th color data and the image data is printed onto a recording paper based on each of the color data, when carrying out the multi-up printing process by scanning plural pages of the

original documents, the image data of the multiple pages of the original documents are respectively converted into at least the first color data, and an operation for printing the image data onto the recording paper starts.

4. The image scanning and printing device according to claim 2, wherein in case image data of a scanned original document is converted into n-types of color data for a first color data to an n-th color data and the image data is printed onto a recording paper based on each of the color data, when carrying out the multi-up printing process by scanning plural pages of the original documents, the image data of the multiple pages of the original documents are respectively converted into at least the first color data, and an operation for printing the image data onto the recording paper starts.

5. The image scanning and printing device according to claim 1, wherein the means for printing uses an electro-photographic method.

6. The image scanning and printing device according to claim 2, wherein the means for printing uses an electro photographic method.

7. The image scanning and printing device according to claim 1, further comprising a copy function.

8. The image scanning and printing device according to claim 2, further comprising a copy function.

9. The image scanning and printing device according to claim 1, further comprising an Internet function.

10. The image scanning and printing device according to claim 2,

further comprising an Internet function.

11. The image scanning and printing device according to claim 1, further comprising a facsimile function.

12. The image scanning and printing device according to claim 2, further comprising a facsimile function.

13. The image scanning and printing device according to claim 1, further comprising a network printer function.

14. The image scanning and printing device according to claim 2, further comprising a network printer function.

15. An image scanning and printing device comprising:
a printing unit that prints an image onto each of multiple sheets of recording papers in one printing process by a multi-up printing process; and
a control unit that controls to select and execute the multi-up printing process when a size of the recording paper, which is obtained based on a size of an original document and an output magnification, is less than half of a maximum recording paper size and a number of sheets to be printed, which is obtained based on a number of original documents and a number of sets of sheets to be printed, is two sheets or more, and to select and execute a one-up printing process otherwise.

16. The image scanning and printing device according to claim 15, wherein the printing unit uses an electro-photographic method.

17. The image scanning and printing device according to claim 15,

further comprising a copy function.

18. The image scanning and printing device according to claim 15, further comprising an Internet function.

19. The image scanning and printing device according to claim 15, comprising a facsimile function.

20. The image scanning and printing device according to claim 15, further comprising a network printer function.